

Special Issue

Advanced Technology in Wireless Power Transfer and Harvesting Systems

Message from the Guest Editors

Challenges in wireless power transfer and harvesting attract plots of research efforts, such as enhancing operating distance (near-field), improving rectifying efficiency (far-field), optimizing system-level integrated design, and identifying emerging applications. This Special Issue aims to invite submissions related to wireless power transfer and harvesting technology that highlight recent advancements and provide a forward-looking perspective. Topics of interest include but are not limited to:

- Inductive wireless power transfer;
- Capacitive wireless power transfer;
- Static and dynamic wireless charging;
- Acoustic, optical, and solar wireless power transfer;
- High-frequency rectifying circuit design;
- Rectennas and antenna design for rectifiers;
- Simultaneous wireless information and power transfer;
- Hybrid power harvesters;
- Battery-free sensing and communications systems;
- Backscattering, RFID, and electronic tags.

Guest Editors

Dr. Xiaoqiang Gu

Dr. Dong-Wook Seo

Prof. Dr. Zhu Liu

Deadline for manuscript submissions

closed (12 July 2024)



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Energies
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

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